

ANALYTICAL RESULTS SUMMARY

GENERAL CHEMISTRY
METALS
SEMI-VOLATILE ORGANICS

PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q2253

ATTENTION : Ernie Wu



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2253

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

Q2253-01
Q2253-02

Client Sample Number

RW8-SP100-20250605
RW8-SP303-20250605

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 4:12 pm, Jun 17, 2025

Date: 6/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager # Ernie Wu

Order ID # Q2253

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

2 Water samples were received on 06/05/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Metals Group4, SVOC-SIMGroup1, TDS and TSS. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q2250-02MS} with File ID: BN037192.D recoveries met the requirements for all compounds except for 1,4-Dioxane[167%],due to matrix interference.

The MSD {Q2250-03MSD} with File ID: BN037193.D recoveries met the acceptable requirements except for 1,4-Dioxane[200%],due to matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

E. Additional Comments:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."



The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is 20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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APPROVED

By Nimisha Pandya, QA/QC Supervisor at 4:12 pm, Jun 17, 2025

Signature_____



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager : Ernie Wu

Order ID # Q2253

Test Name: Metals Group4

A. Number of Samples and Date of Receipt:

2 Water samples were received on 06/05/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Metals Group4, SVOC-SIMGroup1, TDS and TSS. This data package contains results for Metals Group4.

C. Analytical Techniques:

The analysis of Metals Group4 was based on method 6010D and digestion based on method 3010 (waters).

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).

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APPROVED

By Nimisha Pandya, QA/QC Supervisor at 4:12 pm, Jun 17, 2025

Signature_____



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager: Ernie Wu

Order ID # Q2253

Test Name: TDS,TSS

A. Number of Samples and Date of Receipt:

2 Water samples were received on 06/05/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Metals Group4, SVOC-SIMGroup1, TDS and TSS. This data package contains results for TDS,TSS.

C. Analytical Techniques:

The analysis of TDS was based on method SM2540 C and The analysis of TSS was based on method SM2540 D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 4:12 pm, Jun 17, 2025

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2253

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 06/16/2025

LAB CHRONICLE

OrderID:	Q2253	OrderDate:	6/5/2025 4:32:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2253-01	RW8-SP100-2025060 5	Water			06/05/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/09/25	
Q2253-02	RW8-SP303-2025060 5	Water			06/05/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/09/25	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2253
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :				0.000					
Total Svoc :					0.00				
Total Concentration:					0.00				



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	RW8-SP100-20250605	SDG No.:	Q2253
Lab Sample ID:	Q2253-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037197.D	1	06/06/25 11:54	06/09/25 18:15	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		96%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		114%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1620	7.589				
1146-65-2	Naphthalene-d8	3870	10.372				
15067-26-2	Acenaphthene-d10	1950	14.235				
1517-22-2	Phenanthrene-d10	3400	16.984				
1719-03-5	Chrysene-d12	2540	21.189				
1520-96-3	Perylene-d12	2500	23.38				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	RW8-SP303-20250605	SDG No.:	Q2253
Lab Sample ID:	Q2253-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037198.D	1	06/06/25 11:54	06/09/25 18:51	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		30 - 150		93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		98%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		53 - 106		102%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.51		58 - 132		126%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1550	7.589				
1146-65-2	Naphthalene-d8	3860	10.372				
15067-26-2	Acenaphthene-d10	2060	14.234				
1517-22-2	Phenanthrene-d10	3590	16.984				
1719-03-5	Chrysene-d12	2370	21.188				
1520-96-3	Perylene-d12	2310	23.38				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: **Q2253**

Client: **Tetra Tech NUS, Inc.**

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168336BL	PB168336BL	2-Methylnaphthalene-d10	0.4	0.36	91		30	150
		Fluoranthene-d10	0.4	0.40	99		30	150
		Nitrobenzene-d5	0.4	0.37	92		55	111
		2-Fluorobiphenyl	0.4	0.40	101		53	106
		Terphenyl-d14	0.4	0.42	105		58	132
PB168336BS	PB168336BS	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
		Fluoranthene-d10	0.4	0.30	76		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.38	95		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
Q2250-02MS	MW-11A-13.5-060525MS	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.34	86		53	106
		Terphenyl-d14	0.4	0.47	118		58	132
Q2250-03MSD	MW-11A-13.5-060525MSD	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.37	91		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.35	86		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
Q2253-01	RW8-SP100-20250605	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.41	103		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.38	96		53	106
		Terphenyl-d14	0.4	0.46	114		58	132
Q2253-02	RW8-SP303-20250605	2-Methylnaphthalene-d10	0.4	0.37	93		30	150
		Fluoranthene-d10	0.4	0.42	104		30	150
		Nitrobenzene-d5	0.4	0.39	98		55	111
		2-Fluorobiphenyl	0.4	0.41	102		53	106
		Terphenyl-d14	0.4	0.51	126		58	132

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: Q2253
Client: Tetra Tech NUS, Inc.
Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2250-02MS		Client Sample ID: MW-11A-13.5-060525MS						DataFile: BN037192.D			
1,4-Dioxane	0.42	2.50	3.20	ug/L	167	*			70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2253

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2250-03MSD	Client Sample ID:	MW-11A-13.5-060525MSD					DataFile:	BN037193.D		
1,4-Dioxane	0.4	2.50	3.30	ug/L	200	*	18		70	130	20

A
B
C
D
E
F
G

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2253

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified DataFile: BN037201.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168336BS	1,4-Dioxane	0.4	0.40	ug/L	100				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168336BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q2253

SAS No.: Q2253 SDG NO.: Q2253

Lab File ID: BN037190.D

Lab Sample ID: PB168336BL

Instrument ID: BNA_N

Date Extracted: 06/06/2025

Matrix: (soil/water) Water

Date Analyzed: 06/09/2025

Level: (low/med) LOW

Time Analyzed: 11:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168336BS	PB168336BS	BN037201.D	06/09/2025
MW-11A-13.5-060525MS	Q2250-02MS	BN037192.D	06/09/2025
MW-11A-13.5-060525MSD	Q2250-03MSD	BN037193.D	06/09/2025
RW8-SP100-20250605	Q2253-01	BN037197.D	06/09/2025
RW8-SP303-20250605	Q2253-02	BN037198.D	06/09/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2253 SDG NO.: Q2253

Lab File ID: BN037142.D

DFTPP Injection Date: 06/03/2025

Instrument ID: BNA_N

DFTPP Injection Time: 10:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	69.8
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	58.7
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	53.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.1 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037143.D	06/03/2025	11:39
SSTDICC0.2	SSTDICC0.2	BN037144.D	06/03/2025	12:15
SSTDICCC0.4	SSTDICCC0.4	BN037145.D	06/03/2025	12:51
SSTDICC0.8	SSTDICC0.8	BN037146.D	06/03/2025	13:26
SSTDICC1.6	SSTDICC1.6	BN037147.D	06/03/2025	14:02
SSTDICC3.2	SSTDICC3.2	BN037148.D	06/03/2025	14:38
SSTDICC5.0	SSTDICC5.0	BN037149.D	06/03/2025	15:14

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2253

SDG NO.: Q2253

Lab File ID: BN037188.D

DFTPP Injection Date: 06/09/2025

Instrument ID: BNA_N

DFTPP Injection Time: 10:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	74
68	Less than 2.0% of mass 69	0.4 (0.7) 1
69	Mass 69 relative abundance	59.6
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	53
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.1
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	8.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.5 (18.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037189.D	06/09/2025	10:54
PB168336BL	PB168336BL	BN037190.D	06/09/2025	11:30
MW-11A-13.5-060525MS	Q2250-02MS	BN037192.D	06/09/2025	14:33
MW-11A-13.5-060525MSD	Q2250-03MSD	BN037193.D	06/09/2025	15:47
RW8-SP100-20250605	Q2253-01	BN037197.D	06/09/2025	18:15
RW8-SP303-20250605	Q2253-02	BN037198.D	06/09/2025	18:51
PB168336BS	PB168336BS	BN037201.D	06/09/2025	20:40
SSTDCCC0.4EC	SSTDCCC0.4	BN037202.D	06/09/2025	21:16

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2253 SAS No.: Q2253 SDG NO.: Q2253

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037189.D Time Analyzed: 10:54

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	2093	7.589	5342	10.36	2894	14.24
UPPER LIMIT	4186	8.089	10684	10.862	5788	14.735
LOWER LIMIT	1046.5	7.089	2671	9.862	1447	13.735
EPA SAMPLE NO.						
01 PB168336BL	1816	7.59	4227	10.37	2101	14.25
02 MW-11A-13.5-060525MS	2144	7.59	5670	10.36	2991	14.23
03 MW-11A-13.5-060525MSD	2169	7.59	5646	10.36	2926	14.24
04 PB168336BS	2227	7.59	5466	10.36	2607	14.23
05 RW8-SP100-20250605	1623	7.59	3868	10.37	1953	14.24
06 RW8-SP303-20250605	1546	7.59	3855	10.37	2057	14.23

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2253 SAS No.: Q2253 SDG NO.: Q2253

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037189.D Time Analyzed: 10:54

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	5308	16.984	3516	21.18	3185	23.377
UPPER LIMIT	10616	17.484	7032	21.68	6370	23.877
LOWER LIMIT	2654	16.484	1758	20.68	1592.5	22.877
EPA SAMPLE NO.						
01 PB168336BL	3500	17.00	2446	21.19	2291	23.39
02 MW-11A-13.5-060525MS	5389	16.98	3448	21.19	3177	23.38
03 MW-11A-13.5-060525MSD	5139	16.98	3419	21.18	3336	23.37
04 PB168336BS	4253	16.98	2468	21.19	2373	23.38
05 RW8-SP100-20250605	3398	16.98	2540	21.19	2503	23.38
06 RW8-SP303-20250605	3589	16.98	2367	21.19	2311	23.38

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB168336BL		SDG No.:	Q2253	
Lab Sample ID:	PB168336BL		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037190.D	1	06/06/25 11:54	06/09/25 11:30	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		101%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		105%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1820	7.589				
1146-65-2	Naphthalene-d8	4230	10.372				
15067-26-2	Acenaphthene-d10	2100	14.245				
1517-22-2	Phenanthrene-d10	3500	16.996				
1719-03-5	Chrysene-d12	2450	21.189				
1520-96-3	Perylene-d12	2290	23.386				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB168336BS		SDG No.:	Q2253
Lab Sample ID:	PB168336BS		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037201.D	1	06/06/25 11:54	06/09/25 20:40	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.40		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		95%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		95%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2230	7.589				
1146-65-2	Naphthalene-d8	5470	10.361				
15067-26-2	Acenaphthene-d10	2610	14.234				
1517-22-2	Phenanthrene-d10	4250	16.984				
1719-03-5	Chrysene-d12	2470	21.188				
1520-96-3	Perylene-d12	2370	23.377				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	MW-11A-13.5-060525MS	SDG No.:	Q2253
Lab Sample ID:	Q2250-02MS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037192.D	1	06/06/25 11:54	06/09/25 14:33	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.20		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		118%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2140	7.589				
1146-65-2	Naphthalene-d8	5670	10.361				
15067-26-2	Acenaphthene-d10	2990	14.234				
1517-22-2	Phenanthrene-d10	5390	16.984				
1719-03-5	Chrysene-d12	3450	21.188				
1520-96-3	Perylene-d12	3180	23.38				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	MW-11A-13.5-060525MSD	SDG No.:	Q2253
Lab Sample ID:	Q2250-03MSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037193.D	1	06/06/25 11:54	06/09/25 15:47	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.30		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2170	7.59				
1146-65-2	Naphthalene-d8	5650	10.362				
15067-26-2	Acenaphthene-d10	2930	14.235				
1517-22-2	Phenanthrene-d10	5140	16.984				
1719-03-5	Chrysene-d12	3420	21.18				
1520-96-3	Perylene-d12	3340	23.374				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN060325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 04 01:52:03 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037143.D 0.2 =BN037144.D 0.4 =BN037145.D 0.8 =BN037146.D 1.6 =BN037147.D 3.2 =BN037148.D 5.0 =BN037149.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.598	0.657	0.510	0.506	0.526	0.477	0.458	0.533	13.16
3)	n-Nitrosodimet...	1.098	1.031	1.061	1.067	1.163	1.061	1.012	1.071	4.60
4) S	2-Fluorophenol	1.027	1.017	0.940	0.945	1.036	0.984	0.975	0.989	3.91
5) S	Phenol-d6	1.156	1.144	1.127	1.126	1.293	1.261	1.285	1.199	6.42
6)	bis(2-Chloroet...	1.138	1.139	1.128	1.089	1.223	1.146	1.146	1.144	3.51
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.393	0.383	0.421	0.407	0.455	0.450	0.446	0.422	6.86
9)	Naphthalene	1.183	1.125	1.119	1.111	1.215	1.165	1.160	1.154	3.31
10)	Hexachlorobuta...	0.253	0.249	0.261	0.247	0.266	0.246	0.238	0.251	3.81
11) SURR2	Methylnaphth...	0.520	0.515	0.562	0.536	0.598	0.577	0.588	0.557	5.97
12)	2-Methylnaphth...	0.704	0.680	0.691	0.719	0.809	0.783	0.793	0.740	7.22
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.124	0.147	0.146	0.157	0.185	0.182	0.186	0.161	15.03
15) S	2-Fluorobiphenyl	1.722	1.691	1.626	1.654	1.814	1.706	1.725	1.705	3.52
16)	Acenaphthylene	1.946	1.905	1.768	1.871	2.112	2.050	2.075	1.961	6.32
17)	Acenaphthene	1.290	1.253	1.159	1.212	1.370	1.309	1.320	1.273	5.59
18)	Fluorene	1.701	1.577	1.518	1.611	1.823	1.736	1.752	1.674	6.48
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.039	0.050	0.067	0.090	0.102	0.114	0.077		38.58
21)	4-Bromophenyl-...	0.256	0.253	0.244	0.254	0.281	0.276	0.271	0.262	5.32
22)	Hexachlorobenzene	0.289	0.284	0.269	0.279	0.301	0.284	0.274	0.283	3.72
23)	Atrazine	0.194	0.200	0.187	0.209	0.241	0.238	0.247	0.216	11.42
24)	Pentachlorophenol	0.086	0.086	0.092	0.107	0.140	0.153	0.165	0.124	26.72
25)	Phenanthrene	1.285	1.242	1.193	1.248	1.386	1.357	1.361	1.296	5.64
26)	Anthracene	1.098	1.099	1.036	1.143	1.294	1.290	1.317	1.183	9.71
27) SURR	Fluoranthene-d10	0.969	0.937	0.975	0.956	1.092	1.071	1.114	1.016	7.22
28)	Fluoranthene	1.339	1.294	1.277	1.365	1.579	1.563	1.605	1.432	10.09
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	2.051	1.974	1.827	1.928	2.048	1.955	1.885	1.953	4.20
31) S	Terphenyl-d14	0.964	0.909	0.896	0.941	1.006	0.952	0.923	0.942	3.96
32)	Benzo(a)anthra...	1.369	1.367	1.291	1.404	1.582	1.553	1.570	1.448	8.15
33)	Chrysene	1.755	1.636	1.473	1.582	1.698	1.584	1.556	1.612	5.81
34)	Bis(2-ethylhex...	1.032	0.859	0.774	0.858	0.956	0.914	1.002	0.914	9.90
35) I	Perylene-d12	-----ISTD-----								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

Method File : 8270-SIM-BN060325.M

36)	Indeno(1,2,3-c...	1.443	1.605	1.501	1.526	1.695	1.673	1.697	1.591	6.44
37)	Benzo(b)fluora...	1.529	1.520	1.421	1.575	1.763	1.713	1.781	1.615	8.58
38)	Benzo(k)fluora...	1.576	1.565	1.461	1.612	1.777	1.743	1.805	1.648	7.79
39) C	Benzo(a)pyrene	1.310	1.287	1.219	1.294	1.451	1.426	1.481	1.352	7.32
40)	Dibenzo(a,h)an...	1.074	1.167	1.160	1.196	1.333	1.332	1.328	1.227	8.48
41)	Benzo(g,h,i)pe...	1.368	1.450	1.351	1.372	1.477	1.424	1.425	1.410	3.33

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2253 SAS No.: Q2253 SDG No.: Q2253

Instrument ID: BNA_N Calibration Date/Time: 06/09/2025 10:54

Lab File ID: BN037189.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:39 15:14

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.558		0.2	20.0
Fluoranthene-d10	1.016	0.960		-5.5	20.0
2-Fluorophenol	0.989	0.924		-6.6	20.0
Phenol-d6	1.199	1.124		-6.3	20.0
Nitrobenzene-d5	0.422	0.422		0.0	20.0
2-Fluorobiphenyl	1.705	1.691		-0.8	20.0
2,4,6-Tribromophenol	0.161	0.142		-11.8	20.0
Terphenyl-d14	0.942	0.909		-3.5	20.0
1,4-Dioxane	0.533	0.519		-2.6	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2253 SAS No.: Q2253 SDG No.: Q2253

Instrument ID: BNA_N Calibration Date/Time: 06/09/2025 21:16

Lab File ID: BN037202.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 11:39 15:14

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.557		0.0	50.0
Fluoranthene-d10	1.016	0.913		-10.1	50.0
2-Fluorophenol	0.989	0.956		-3.3	50.0
Phenol-d6	1.199	1.158		-3.4	50.0
Nitrobenzene-d5	0.422	0.434		2.8	50.0
2-Fluorobiphenyl	1.705	1.635		-4.1	50.0
2,4,6-Tribromophenol	0.161	0.144		-10.6	50.0
Terphenyl-d14	0.942	0.923		-2.0	50.0
1,4-Dioxane	0.533	0.496		-6.9	50.0

All other compounds must meet a minimum RRF of 0.010.

LAB CHRONICLE

OrderID:	Q2253	OrderDate:	6/5/2025 4:32:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2253-01	RW8-SP100-2025060 5	Water			06/05/25			06/05/25
			Metals Group4	6010D		06/10/25	06/10/25	
Q2253-02	RW8-SP303-2025060 5	Water			06/05/25			06/05/25
			Metals Group4	6010D		06/10/25	06/10/25	

Hit Summary Sheet
SW-846

SDG No.:	Q2253	Order ID:	Q2253
Client:	Tetra Tech NUS, Inc.	Project ID:	NWIRP Bethpage 112G08005-WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : RW8-SP100-20250605									
Q2253-01	RW8-SP100-20250605	Water	Iron	1380		11.7	40.0	50.0	ug/L
Client ID : RW8-SP303-20250605									
Q2253-02	RW8-SP303-20250605	Water	Iron	51.5		11.7	40.0	50.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	RW8-SP100-20250605	SDG No.:	Q2253
Lab Sample ID:	Q2253-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	1380		1	11.7	40.0	50.0	ug/L	06/10/25 10:05	06/10/25 23:49	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group4			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	RW8-SP303-20250605	SDG No.:	Q2253
Lab Sample ID:	Q2253-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	51.5		1	11.7	40.0	50.0	ug/L	06/10/25 10:05	06/10/25 23:53	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group4			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits



METAL CALIBRATION DATA



H

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2253

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2253 **SAS No.:** Q2253

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	108	100	108	80 - 120	P	06/10/2025	14:41	LB136097

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q2253
Contract: TETR06 Lab Code: CHEM Case No.: Q2253 SAS No.: Q2253
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4860	5000	97	90 - 110	P	06/10/2025	15:30	LB136097
CCV02	Iron	4930	5000	99	90 - 110	P	06/10/2025	16:28	LB136097
CCV03	Iron	5390	5000	108	90 - 110	P	06/10/2025	17:36	LB136097
CCV04	Iron	5420	5000	108	90 - 110	P	06/10/2025	18:28	LB136097
CCV05	Iron	5340	5000	107	90 - 110	P	06/10/2025	19:18	LB136097
CCV06	Iron	5150	5000	103	90 - 110	P	06/10/2025	20:09	LB136097
CCV07	Iron	5190	5000	104	90 - 110	P	06/10/2025	21:04	LB136097
CCV08	Iron	5140	5000	103	90 - 110	P	06/10/2025	22:04	LB136097
CCV09	Iron	5160	5000	103	90 - 110	P	06/10/2025	22:56	LB136097
CCV10	Iron	5200	5000	104	90 - 110	P	06/10/2025	23:57	LB136097
CCV11	Iron	5060	5000	101	90 - 110	P	06/11/2025	01:35	LB136097
CCV12	Iron	4930	5000	99	90 - 110	P	06/11/2025	02:21	LB136097



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2253
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2253 **SAS No.:** Q2253
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	111	100	111	65 - 135	P	06/10/2025	14:50	LB136097



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Tetra Tech NUS, Inc.				SDG No.:	Q2253				
Contract:	TETR06	Lab Code:	CHEM	Case No.:	Q2253	SAS No.:	Q2253			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	14:45	LB136097

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2253
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2253 **SAS No.:** Q2253

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	15:35	LB136097
CCB02	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	16:32	LB136097
CCB03	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	17:40	LB136097
CCB04	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	18:32	LB136097
CCB05	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	19:22	LB136097
CCB06	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	20:14	LB136097
CCB07	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	21:08	LB136097
CCB08	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	22:08	LB136097
CCB09	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	23:01	LB136097
CCB10	Iron	23.4	+/-50	U	80.0	100	P	06/11/2025	00:02	LB136097
CCB11	Iron	23.4	+/-50	U	80.0	100	P	06/11/2025	01:39	LB136097
CCB12	Iron	23.4	+/-50	U	80.0	100	P	06/11/2025	02:25	LB136097

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2253

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168384BL		WATER		Batch Number:		PB168384		Prep Date:	06/10/2025	
	Iron	11.7	<25	U	40.0	50.0	P	06/10/2025	23:41	LB136097

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Tetra Tech NUS, Inc.</u>	SDG No.: <u>Q2253</u>
Contract: <u>TETR06</u> Lab Code: <u>CHEM</u>	Case No.: <u>Q2253</u> SAS No.: <u>Q2253</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Iron	97000	101000	96	85600	116500	06/10/2025	14:54	LB136097
ICSAB01	Iron	99000	99300	100	84400	114500	06/10/2025	15:18	LB136097



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. level: low sdg no.: Q2253
contract: TETR06 lab code: CHEM case no.: Q2253 sas no.: Q2253
matrix: Water sample id: Q2253-02 client id: RW8-SP303-20250605MS
Percent Solids for Sample: NA Spiked ID: Q2253-02MS Percent Solids for Spike Sample: NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	87 - 115	1490		51.5		1500	96		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Tetra Tech NUS, Inc.</u>	level:	<u>low</u>	sdg no.:	<u>Q2253</u>		
contract:	<u>TETR06</u>	lab code:	<u>CHEM</u>	case no.:	<u>Q2253</u>	sas no.:	<u>Q2253</u>
matrix:	<u>Water</u>	sample id:	<u>Q2253-02</u>	client id:	<u>RW8-SP303-20250605MSD</u>		
Percent Solids for Sample:	<u>NA</u>	Spiked ID:	<u>Q2253-02MSD</u>	Percent Solids for Spike Sample:	<u>NA</u>		

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	87 - 115	1490		51.5		1500	96		P

Metals
- 5b -

Client: Tetra Tech NUS, Inc.

SDG No.: Q2253

Contract: TETR06

Lab Code: CHEM

Case No.: Q2253

SAS No.: Q2253

Matrix:

Level: LOW

Client ID:

Sample ID:

Spiked ID:

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2253
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2253 **SAS No.:** Q2253
Matrix: Water **Sample ID:** Q2253-02 **Client ID:** RW8-SP303-20250605DUP
Percent Solids for Sample: NA **Duplicate ID** Q2253-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	51.5		55.7		8		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2253
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2253 **SAS No.:** Q2253
Matrix: Water **Sample ID:** Q2253-02MS **Client ID:** RW8-SP303-20250605MSD
Percent Solids for Sample: NA **Duplicate ID** Q2253-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1490		1490		0		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2253
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2253 **SAS No.:** Q2253

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168384BS Iron	ug/L	1500	1620		108	87 - 115	P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

RW8-SP303-20250605L

Lab Name: Chemtech Consulting Group **Contract:** TETR06
Lab Code: CHEM **Lb No.:** lb136097 **Lab Sample ID :** Q2253-02L **SDG No.:** Q2253
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Iron	51.5	250 U	100.0		P



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2253
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2253 **SAS No.:** Q2253
Instrument ID: _____ **Date:** _____
Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2253
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2253 **SAS No.:** Q2253
Instrument ID: _____ **Date:** _____
Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2253
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2253 **SAS No.:** Q2253
Instrument ID: _____ **Date:** _____
Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q2253

Contract: TETR06

Lab Code: CHEM

Case No.: Q2253

SAS No.: Q2253

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2253

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2253 **SAS No.:** Q2253

Instrument ID: _____ **Date:** _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

A

B

C

D

E

F

G

H



METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	SDG No.:	<u>Q2253</u>
Contract:	<u>TETR06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2253</u>
		SAS No.:	<u>Q2253</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168384							
PB168384BL	PB168384BL	MB	WATER	06/10/2025	50.0	25.0	
PB168384BS	PB168384BS	LCS	WATER	06/10/2025	50.0	25.0	
Q2253-01	RW8-SP100-20250605	SAM	WATER	06/10/2025	50.0	25.0	
Q2253-02	RW8-SP303-20250605	SAM	WATER	06/10/2025	50.0	25.0	
Q2253-02DUP	RW8-SP303-20250605DUP	DUP	WATER	06/10/2025	50.0	25.0	
Q2253-02MS	RW8-SP303-20250605MS	MS	WATER	06/10/2025	50.0	25.0	
Q2253-02MSD	RW8-SP303-20250605MSD	MSD	WATER	06/10/2025	50.0	25.0	

metals
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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc. **Contract:** TETR06

Lab code: CHEM **Case no.:** Q2253 **Sas no.:** Q2253 **Sdg no.:** Q2253

Instrument id number: **Method:** **Run number:** LB136097

Start date: 06/10/2025 **End date:** 06/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1401	Fe
S1	S1	1	1405	Fe
S2	S2	1	1409	Fe
S3	S3	1	1414	Fe
S4	S4	1	1418	Fe
S5	S5	1	1422	Fe
ICV01	ICV01	1	1437	Fe
LLICV01	LLICV01	1	1441	Fe
ICB01	ICB01	1	1445	Fe
CRI01	CRI01	1	1450	Fe
ICSA01	ICSA01	1	1454	Fe
ICSAB01	ICSAB01	1	1518	Fe
CCV01	CCV01	1	1530	Fe
CCB01	CCB01	1	1535	Fe
CCV02	CCV02	1	1628	Fe
CCB02	CCB02	1	1632	Fe
CCV03	CCV03	1	1736	Fe
CCB03	CCB03	1	1740	Fe
CCV04	CCV04	1	1828	Fe
CCB04	CCB04	1	1832	Fe
CCV05	CCV05	1	1918	Fe
CCB05	CCB05	1	1922	Fe
CCV06	CCV06	1	2009	Fe
CCB06	CCB06	1	2014	Fe
CCV07	CCV07	1	2104	Fe
CCB07	CCB07	1	2108	Fe
CCV08	CCV08	1	2204	Fe
CCB08	CCB08	1	2208	Fe
CCV09	CCV09	1	2256	Fe
CCB09	CCB09	1	2301	Fe
PB168384BL	PB168384BL	1	2341	Fe
PB168384BS	PB168384BS	1	2345	Fe
Q2253-01	RW8-SP100-20250605	1	2349	Fe
Q2253-02	RW8-SP303-20250605	1	2353	Fe
CCV10	CCV10	1	2357	Fe
CCB10	CCB10	1	0002	Fe
Q2253-02DUP	RW8-SP303-20250605DUP	1	0006	Fe
Q2253-02L	RW8-SP303-20250605L	5	0010	Fe
Q2253-02MS	RW8-SP303-20250605MS	1	0015	Fe
Q2253-02MSD	RW8-SP303-20250605MSD	1	0019	Fe
CCV11	CCV11	1	0135	Fe

metals
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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc. **Contract:** TETR06

Lab code: CHEM **Case no.:** Q2253 **Sas no.:** Q2253 **Sdg no.:** Q2253

Instrument id number: **Method:** **Run number:** LB136097

Start date: 06/10/2025 **End date:** 06/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB11	CCB11	1	0139	Fe
CCV12	CCV12	1	0221	Fe
CCB12	CCB12	1	0225	Fe

LAB CHRONICLE

OrderID:	Q2253	OrderDate:	6/5/2025 4:32:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2253-02	RW8-SP303-20250605	WATER			06/05/25 13:13			06/05/25
			TDS	SM2540 C			06/06/25 12:30	
			TSS	SM2540 D			06/09/25 13:00	



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25 13:13
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	RW8-SP303-20250605	SDG No.:	Q2253
Lab Sample ID:	Q2253-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TDS	321		1	1.00	10.0	10.0	mg/L		06/06/25 12:30	SM 2540 C-15
TSS	4.00	U	1	1.00	4.00	4.00	mg/L		06/09/25 13:00	SM 2540 D-15

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits



QC RESULT SUMMARY

Preparation Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q2253

Project: NWIRP Bethpage 112G08005-WE13

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136041BL							
TDS	mg/L	< 5.0000	5.0000	U	1.0	10	06/06/2025
Sample ID: LB136054BL							
TSS	mg/L	1	2.0000	J	1	4	06/09/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2253
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2229-02
Client ID:	COMPDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TSS	mg/L	+/-5	121		121		1	0		06/09/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2253
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2231-05
Client ID:	MW-17-20250604DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TDS	mg/L	+/-5	296		302		1	2.01		06/06/2025

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2253
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	LB136041

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136041BS							
TDS	mg/L	100	95.0		95	1	90-110	06/06/2025

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2253
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	LB136054

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136054BS							
TSS	mg/L	550	533		97	1	90-110	06/09/2025



SHIPPING DOCUMENTS

CHEMTECH CHAIN OF CUSTODY RECORD		284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922 www.chemtech.net		Chemtech Project Number: Q2253																					
CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION																					
COMPANY: Tetra Tech		PROJECT NAME: NWIRP Bethpage		BILL TO: PO#																					
ADDRESS: 4433 Corporation Ln, Suite 300		PROJECT #: 112G08005-WE13 LOCATION: RW8		ADDRESS:																					
CITY: Virginia Beach STATE: VA ZIP: 23462		PROJECT MANAGER: Ernie Wu		CITY: STATE: ZIP:																					
ATTENTION: Ernie Wu		E-MAIL: ernie.wu@tetratech.com		ATTENTION: PHONE:																					
PHONE: 757-466-4901 FAX: 757-461-4148		PHONE: 757-466-4901 FAX: 757-461-4148																							
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS																					
FAX: 5 DAYS* HARD COPY: 5 DAYS* EDD 5 DAYS* * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD Format _____		<table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <td>1,4-Dioxane SW846 8270</td> <td>Iron, Total</td> <td>TSS</td> <td>TDS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td></td> </tr> </table>		1,4-Dioxane SW846 8270	Iron, Total	TSS	TDS							1	2	3	4	5	6	7	8	9	
1,4-Dioxane SW846 8270	Iron, Total	TSS	TDS																						
1	2	3	4	5	6	7	8	9																	
CHEMTECH SAMPLE ID		PROJECT SAMPLE IDENTIFICATION		SAMPLE MATRIX		SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles		PRESERVATIVES		COMMENTS											
						COMP GRAB		DATE TIME				1 2 3 4 5 6 7 8 9		<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other											
1.		RW8-SP100-20250605		GW		X		6/5/25 13:05		2		X X													
2.		RW8-SP303-20250605		GW		X		6/5/25 13:13		4		X X X X													
3.																									
4.																									
5.																									
6.																									
7.																									
8.																									
9.																									
10.																									
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																									
RELINQUISHED BY SAMPLER		DATE/TIME		RECEIVED BY		Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>2.1C</u> MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: _____																			
1.		6/5/25 15:00		1.		Comments: SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight CHEMTECH: ☐ Picked Up ☐ Overnight Shipment Complete ☐ YES ☐ NO																			
RELINQUISHED BY		DATE/TIME		RECEIVED BY																					
2.				2.																					
RELINQUISHED BY		DATE/TIME		RECEIVED FOR LAB BY		Page _____ of _____																			
3.		6-5-25 1922		3.																					

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488